

Patent Abstracts of Japan

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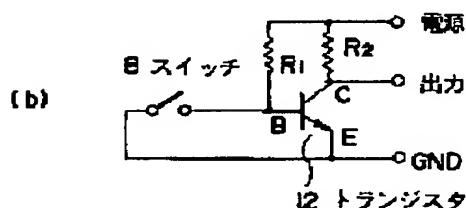
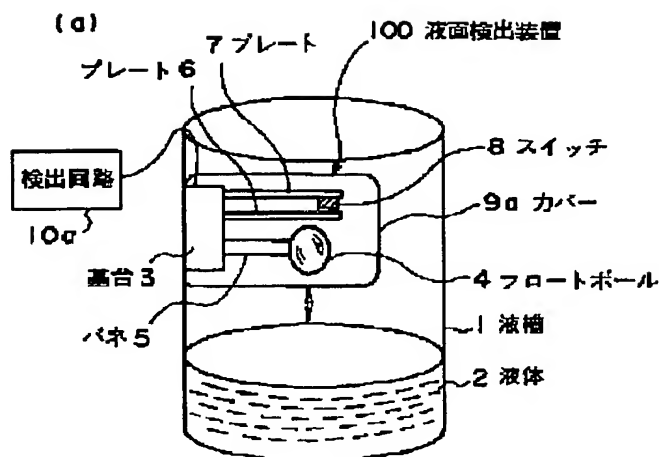
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TITLE : LIQUID LEVEL DETECTING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a liquid level detecting device for detecting the liquid level of a highly viscous liquid.

SOLUTION: A float ball 5 is held by a base 3 through a spring 5, and a plate 6 formed of an elastic body and a rigid plate 7 opposed thereto with a prescribed space are provided above the float ball 4. A switch 8 is fixed to the top end of the plate 7. Such a constituted body is sealed by a cover 9a formed of a flexible membrane member, and a detecting circuit 10a is provided on the outside of the cover 9a. When a liquid 2 in a liquid tank 1 is increased, it pushes up the float ball 4 from the outside of the flexible cover 9a, the float ball 4 consequently pushes up the plate 6 to close the switch 8, and a signal corresponding to this state is outputted from the detecting circuit 10a, whereby the liquid level is detected is in a position where the float ball 4 is set. Since the detecting part is covered with the cover 9a, it never makes contact with the liquid, and the operating performance of the constituting member can be regularly kept constant.

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